

Title (en)
DRIVING ASSISTANCE APPARATUS

Title (de)
FAHRASSISTENZVORRICHTUNG

Title (fr)
APPAREIL D'ASSISTANCE DE CONDUITE

Publication
EP 3360745 A1 20180815 (EN)

Application
EP 17206482 A 20171211

Priority
JP 2016248139 A 20161221

Abstract (en)
A driving assistance apparatus includes a plurality of sensor devices (11, 12, 13, 14) and at least one electronic control unit. The electronic control unit estimates a linear path of a finite length extending in a traveling direction (TDv) of a host vehicle (100) as an expected path. The electronic control unit determines whether or not a target object that is an object having a possibility of crossing the expected path within a threshold time period is present, and determines whether or not a traffic situation estimated to hinder traveling of the target object occurs. The electronic control unit generates a driving assistance request signal when the electronic control unit determines that the target object is present and that the traffic situation does not occur, and forbids generation of the driving assistance request signal when the electronic control unit determines that the target object is present and that the traffic situation occurs.

IPC 8 full level
B60W 30/095 (2012.01); **B60W 10/18** (2012.01); **B60W 30/18** (2012.01); **B60W 50/00** (2006.01); **B60W 50/14** (2012.01); **G01S 13/931** (2020.01)

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B60Q 9/008 (2013.01 - KR US); **B60R 21/00** (2013.01 - RU); **B60T 7/12** (2013.01 - CN); **B60T 7/22** (2013.01 - KR US); **B60W 10/18** (2013.01 - EP KR US); **B60W 30/09** (2013.01 - KR); **B60W 30/0953** (2013.01 - EP KR US); **B60W 30/0956** (2013.01 - EP KR US); **B60W 30/18154** (2013.01 - EP KR US); **B60W 40/04** (2013.01 - KR); **B60W 40/12** (2013.01 - KR); **B60W 50/0097** (2013.01 - EP KR US); **B60W 50/14** (2013.01 - EP KR US); **G01S 13/931** (2013.01 - KR US); **G05B 19/00** (2013.01 - KR RU); **G06V 20/58** (2022.01 - KR US); **G08G 1/166** (2013.01 - CN KR US); **B60W 2540/18** (2013.01 - EP KR US); **B60W 2554/80** (2020.02 - EP KR US); **B60Y 2200/91** (2013.01 - KR); **B60Y 2200/92** (2013.01 - KR); **G01S 2013/93185** (2020.01 - KR US); **G06V 2201/07** (2022.01 - KR US); **Y02T 10/62** (2013.01 - KR)

Citation (applicant)
JP 2013156688 A 20130815 - TOYOTA MOTOR CORP

Citation (search report)
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• [A] EP 3048021 A1 20160727 - HITACHI LTD [JP]
• [A] DE 102013213006 A1 20150108 - BAYERISCHE MOTOREN WERKE AG [DE]
• [A] DE 102011113019 A1 20120510 - DAIMLER AG [DE]

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DE112019003421B4; US11938924B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10255814 B2 20190409; US 2018174465 A1 20180621; BR 102017027745 A2 20181204; CN 108216163 A 20180629; CN 108216163 B 20200901; EP 3360745 A1 20180815; EP 3360745 B1 20210922; JP 2018101345 A 20180628; JP 6597590 B2 20191030; KR 102042111 B1 20191108; KR 20180072564 A 20180629; MY 189296 A 20220203; RU 2671444 C1 20181031

DOCDB simple family (application)
US 201715833980 A 20171206; BR 102017027745 A 20171221; CN 201711375024 A 20171219; EP 17206482 A 20171211; JP 2016248139 A 20161221; KR 20170173816 A 20171218; MY PI2017704723 A 20171208; RU 2017144027 A 20171215